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520.32696CX3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): ARAI, et al

Serial No.: 09/265,363

Filed: March 10, 1999

For: DISPLAY APPARATUS ENABLED TO CONTROL  
COMMUNICABILITY WITH AN EXTERNAL COMPUTER  
USING IDENTIFICATION INFORMATION

Group: 2181

Examiner: R. Phan

Attention: Allowed Files - Batch No. W35

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR 1.97 & 1.98

Commissioner for Patents  
Washington, D.C. 20231

February 26, 2001

Sir:

In the matter of the above-identified application,  
applicant(s) is/are submitting herewith a copy of the  
documents listed in the attached form equivalent to Form PTO-  
1449 for the Examiner's consideration.

This information disclosure statement is being submitted  
after the mailing of a Notice of Allowance, but before the  
payment of the issue fee, with the following certification  
specified in 37 CFR 1.97(e) and accompanied with the petition  
fee under 37 CFR 1.17(i) in the amount of \$130.00.

RECEIVED  
U.S. PATENT AND  
TRADEMARK OFFICE  
FEB 27 2001

March 6, 2001

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months period to the filing of the statement.

Each of the documents listed on the attached form equivalent to Form PTO-1449 is in the English language.

Additionally, applicants offer the following comments concerning the documents:

At the outset, applicants note that none of the cited documents disclose the storage in a memory located in the display unit and transmission to the video source of an identification number for uniquely identifying the display unit, e.g., a model number.

Chung's U.S. Patent 4,177,462 describes a video game system in which a microprocessor 16 communicates with a display scanning system 15 via interface circuits including display composers 29 and a timing/synch signal generator 32. A separate system of control busses 23, 28 is provided. There is no disclosure of a memory in the display, no disclosure of bi-directional communication between the display and the video source, and no disclosure of the transmission of display unit information.

Sukonick et al's U.S. Patent 4,197,590 is of general interest related to bidirectional communication between a computer and a display system. Communication between a computer 10 and a display system 16 occurs via a channel adapter 20 over data/control bus 13. There is no disclosure of a memory in the display that stores display unit information and no disclosure of the transmission of display unit information.

Schwartz et al's U.S. Patent 4,169,262 is directed to a video display circuit which interfaces between a microprocessor 20 and a display. The display circuit communicates with the microprocessor over a bidirectional data bus 21. There is no disclosure of a memory in the display that stores

display unit information and no disclosure of the transmission of display unit information.

Hofmanis et al's U.S. Patent 4,342,029 and Gordon's U.S. Patent 4,882,687 are additional examples of patents directed to bidirectional data transfer between a computer and a display-related device. However, in Gordon, there is no disclosure of a memory in the display that stores display unit information and no disclosure of the transmission of display unit information. Hofmanis et al describes data transfer between a computer and a graphic display generator 100 (see col. 4, lines 48+). There is no disclosure of a memory in the display that stores display unit information and to no disclosure of the transmission of display information.

The IBM Technical Disclosure Bulletins (TDB's) provide a general disclosure of various methods of display identification. For example, the October 1990 article describes a display which can respond to a system units interrogation. The display provides basic display type information on power-up. The system unit can then write back to the display to determine more detailed type information. At best, this reference teaches no more than the Sawdon patent of record in this application. A latch circuit is disclosed. However, there is no disclosure of the transmission of an identification number that uniquely identifies the display. The November 1990 article is directed to an interface between a display unit and a display adapter. Mode information is transmitted between the display and the adapter over synch lines. In addition, the display can sense different display adapters and transmit a different identification code in each case. There is no disclosure of a memory in the display and no disclosure of transmission of an identification number that uniquely identifies the display. The March 1991 article describes a method of communication between a monitor and a display adapter for determining the "self-identifying" nature of each of the monitor and adapter. There is no disclosure of a memory in the display and no disclosure of transmission of display unit information, including an identification number. The remaining TDB's generally relate to monitor/display identification, although they appear to be one-way communication. More particularly, in the May 1986 article, there is no disclosure of a

display identification number that uniquely identifies the display, no disclosure of any communication display unit information between a display and a video source and no disclosure of a memory in the display; in the July 1987 article, there is no disclosure of a memory in the display, no disclosure of bi-directional communication between the display and a video source, and no disclosure of transmission of display unit information, including an identification number; and in the July 1990 article, there is no disclosure of a memory in the display, no disclosure of bi-directional communication between the display and a video source.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (520.32696CX3) and please credit any excess fees to such deposit account.

Respectfully submitted,

  
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